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1921/22

THE UNIVERSITY OF TENNESSEE

# BULLETIN

REGISTER 1921-22

ANNOUNCEMENT 1922-23

CATALOG NUMBER

MAY, 1922



## THE COLLEGE OF MEDICINE MEMPHIS

### CONSOLIDATION OF

**The University of Tennessee Medical Department, Founded 1876**  
**The University of Nashville Medical Department, Founded 1850**  
**The College of Physicians and Surgeons of Memphis, Founded 1906**  
**The Memphis Hospital Medical College, Founded 1878**  
**The Lincoln Memorial University Medical Department, Founded 1889**

Entered as second-class matter Aug. 7, 1909, at the postoffice, Nashville, Tenn., under the act of July 16, 1894. Re-entry at Memphis, Tenn., Aug., 1911, under present title



# UNIVERSITY OF TENNESSEE

# BULLETIN

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## THE COLLEGE OF MEDICINE

### MEMPHIS

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### REGISTER OF THE SEVENTY-FIRST SESSION

OCTOBER 1, 1921—JUNE 12, 1922

### ANNOUNCEMENT

### OF THE SEVENTY-SECOND SESSION

SEPTEMBER 30, 1922—JUNE 11, 1923

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MAY 18 1928

UNIVERSITY OF TENNESSEE BULLETIN

VOL. XIII. No. I

UNIVERSITY OF ILLINOIS

Published monthly by the University of Tennessee at Memphis, Tenn. Entered as second-class matter under the Act of July 16, 1894, at the Postoffice at Nashville, Tenn., August 7, 1909. Re-entered under present title at the Postoffice at Memphis, Tenn., August, 1911.

MEMPHIS, TENNESSEE,

MAY, 1922

# CALENDAR, 1922

# 1923

## JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
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29	30	31	---	---	---	---
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## JULY

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## JANUARY

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## FEBRUARY

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# SEPTEMBER

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## MARCH

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## JUNE

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## DECEMBER

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## JUNE

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## COLLEGE CALENDAR

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### 1922

- Sept. 27, 28, 29.....Supplementary examination period.  
Sept. 27, 28, 29, 30.....Matriculation and registration.  
Sept. 30, (Saturday, 10 a.m.).....Assembly—Lindsley Hall Auditorium.  
Sept. 30, (Saturday, 6 p.m.).....Matriculation and registration cease ex-  
cept on payment of extra fee of \$2.00.  
Oct. 2, (Monday, 8 a.m.).....Regular exercises begin as scheduled.  
Oct. 9, (Monday, 6 p.m.).....Matriculation and registration cease.  
Nov. 30, (Thursday).....Thanksgiving Day, a holiday.  
Dec. 18, 19, 20, (M., Tu., W.).....Examination period.  
Dec. 20, (Wednesday, 6 p.m.).....Christmas recess begins.

### 1923

- Jan. 3, (Wednesday, 8 a.m.).....Second trimester begins.  
Mar. 14, 15, 16, 17, (W., Th., F., S.).....Examination period.  
Mar. 19, (Monday, 8 a.m.).....Third trimester begins.  
June 4, 5, 6, 7, 8, 9 (M. Tu. W. Th. F. S.) Final examination period.  
June 11 (Monday).....Commencement exercises.



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HIS EXCELLENCY, THE GOVERNOR OF TENNESSEE.....	<i>Ex-Officio</i>
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THE COMMISSIONER OF AGRICULTURE .....	<i>Ex-Officio</i>
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*Term Expires.*

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Second.....	EDWARD T. SANFORD, Knoxville.....	July 1, 1923
Third.....	*H. CLAY EVANS, Chattanooga.....	July 1, 1925
	†PAUL J. KRUESI, Chattanooga.....	July 1, 1925
Fourth.....	T. W. HUNTER, Gallatin.....	July 1, 1927
Fifth.....	W. P. COOPER, Shelbyville.....	July 1, 1929
Sixth.....	E. M. SANDERS, Nashville.....	July 1, 1929
Seventh.....	SAMUEL N. WARREN, Spring Hill.....	July 1, 1927
Eighth.....	I. B. TIGRETT, Jackson.....	July 1, 1925
Ninth.....	SPENCER F. THOMAS, Brownsville.....	July 1, 1923
Tenth.....	C. P. J. MOONEY, Memphis.....	July 1, 1923

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*College of Agriculture:* COOPER, WARREN, SHIELDS, SANDERS.

*College of Engineering:* KRUESI, TIGRETT, WARREN, WRIGHT.

*College of Law:* SANFORD, KYLE, COOPER, WRIGHT.

*College of Medicine:* SANDERS, SMITH, ROBINSON, MOONEY.

*Experiment Station:* SHIELDS, COOPER, HUNTER.

*Middle Tennessee Experiment Station:* WARREN, COOPER, SANDERS.

*West Tennessee Experiment Station:* TIGRETT, THOMAS, MOONEY.

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\*Died, December 12, 1921.

†Appointed, December 23, 1921.

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- JOHN METCALF MAURY, JR., *Technical Assistant in Physiology.*
- ETTA WADE, *Technical Assistant in Clinical Pathology.*
- M. EVELYN WARD, R.N., *Technical Assistant in Pathology.*

- ORREN WILLIAMS HYMAN, *Business Manager.*
- EMILY HOYT MCCURDY, *Librarian.*
- MARY WILSON TURNER, *Chief Clerk.*
- LAURA MOTT DICKEY, *Clerk.*
- FRANCES BENDEN, *Secretary of the Division of Pathology and Bacteriology.*

#### SUMMARY

President .....	1
Emeritus Professors .....	1
Professors .....	22
Associate Professors .....	14
Assistant Professors .....	14
Instructors .....	20
Lecturers .....	5
Assistants .....	47
Technical Assistants .....	6
Other Officers .....	5
Total .....	135



# COLLEGE OF MEDICINE\*

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## HISTORICAL SKETCH

The Medical Department of the University of Tennessee was founded in Nashville in 1876. In 1909 an agreement was entered into with the Medical Department of the University of Nashville (founded 1850) whereby these schools were operated for two years under the title of the "Joint Medical Department of the University of Nashville and University of Tennessee." At the end of this time the Board of Trustees of the University of Nashville, deciding to withdraw from medical instruction, transferred to the Board of Trustees of the University of Tennessee all of its equipment and the good will of its medical department. By specific action the Board of Trustees of the University of Tennessee was authorized to claim the College of Medicine to be operated by it as the legal successor and continuation of the Medical Department of the University of Nashville.

In the same year the Board of Trustees of the University of Tennessee determined to take advantage of the superior clinical facilities of Memphis by removing the College of Medicine to that city. An agreement was therefore effected with the College of Physicians and Surgeons (founded 1906) under which the College of Medicine commenced the session of 1911-12 in Memphis in buildings adjacent to the hospitals and acquired from the College of Physicians and Surgeons. A new laboratory building (Eve Hall) was erected in 1912. By the agreement of January 10, 1913, there were secured the faculty, buildings, and equipment of the Memphis Hospital Medical College (founded 1878), together with full teaching privileges in all of the hospitals and charitable institutions of Memphis and Shelby County. Finally, in June, 1914, the Medical Department of the Lincoln Memorial University (founded in Knoxville, 1889) was discontinued and its students transferred to this college for the completion of their courses.

The successful amalgamation of these five medical schools was an important step in the development of medical education not only in the State of Tennessee but throughout the entire South. The College as now organized possesses all the advantages of location, physical plant, clinical facilities, and faculty essential to a great school of medicine. In the session of 1917 the Tennessee Legislature authorized a bond issue of one million dollars, the proceeds of which should be used for permanent improvements in the various colleges of the University of Tennessee at the discretion of the Board of Trustees. At the same time a tax of one-half mill on all property in the State was levied for the maintenance of the University. This financial support insures the continued operation of the College of Medicine upon a scale of ever-increasing usefulness.

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\*Member of Association of American Medical Colleges.

**THE COLLEGE BUILDINGS****LINDSLEY HALL**

Lindsley Hall, 879 Madison Avenue, is named in honor of Dr. J. Berren Lindsley, the organizer and first dean of the Medical Department of the University of Nashville. It is on the East End car line and may be reached in five minutes from the heart of the city. Across the street is the Memphis General Hospital, adjoining the building on the east is the Baptist Memorial Hospital.

Lindsley Hall is constructed of buff brick and stone, is four stories high, and has hardwood interior finish throughout. The first floor is devoted entirely to clinical teaching. On the second floor is the Administrative office, the laboratories of Physiological Chemistry, and a lecture room with a seating capacity of one hundred and twenty-five. On the third floor is the general library. This room is well lighted by windows on three sides and by skylights from above. It contains ample shelf space, arranged on the alcove plan, and a large reading room. This floor also has one large and one smaller lecture hall. The fourth floor is occupied by the School of Pharmacy.

**EVE HALL**

Eve Hall, 874-882 Monroe Avenue, is named after Dr. Paul F. Eve, Sr., one of the organizers of the Medical Department of the University of Tennessee. It is of uniform architecture and construction with Lindsley Hall and occupies the south half of the same square, and is now used exclusively by the Out-patient Department.

**ROGERS HALL**

Rogers Hall, located at the intersection of Marshall and Union Avenues, is named in honor of Dr. William E. Rogers, the founder of the Memphis Hospital Medical College. It is situated on the opposite side of Forrest Park from Lindsley Hall and Eve Hall. It is a four-story brick and stone building fronting on Union Avenue. The south half of the first floor has been set apart for the Dental Laboratories, while the north side of this floor is occupied by the Department of Physiology. On the second floor is the Dental Operatory and the office of the Registrar of the College of Dentistry. Occupying the north half of the second floor is Rogers Auditorium, which has a seating capacity of one thousand. On the third floor is a lecture room with seating capacity of one hundred and twenty-five, a large laboratory for inorganic chemistry, a smaller one for organic chemistry, and the laboratory of Histology and Embryology, with an adjacent private laboratory and departmental library. The fourth floor is occupied by the Department of Anatomy. There are a large dissecting room, well lighted by windows and skylights and equipped with adequate electric lights; a well-appointed embalming room; a cold storage room; the departmental museum; and a private laboratory equipped for cross section work. On the same floor are the laboratory of operative surgery and the office of the professor of Anatomy, which contains the departmental library.

## NEW PATHOLOGICAL INSTITUTE

The new Pathological Institute recently built on the grounds of the Memphis General Hospital houses under "College Activities" the Division of Pathology and Bacteriology, subdivided into the Departments of Pathology, Clinical Pathology, and Bacteriology. Under "Public Health Activities" the Laboratory of the City, County, and West Tennessee State Department of Health, and the Laboratory of the Field Investigation of Malaria of the U. S. Public Health Service. Each of these five departments has its own specifically planned laboratories, budgets, professional and technical staffs, maids and deiners. The administration and record department is in common. Also for common use is the space and equipment for Art and Photography, Pathological Museum, Library, Autopsy Amphitheatre, Students Laboratory, Refrigerating Room, Men's and Women's Lavatories.

The College Departments render service to the Hospital and Out-patient Department, teach, and do research. The Public Health Departments render service outside of the Hospital, teach, compute statistics, and do research.

The personnel of the Institute averages twenty individuals exclusive of the eight internes who do the routine laboratory work of the hospital in three subsidiary laboratories located in the hospital itself. The Out-patient Department in Eve Hall also has a large well equipped laboratory.

The material of the Institute is abundant; averaging one thousand diagnostic studies per week, with plenty of opportunity for research on unusual cases and specimens.

The various departments are well equipped and the interdepartmental relations are intimate and very beneficial. Pathological conferences keep the Institute in close touch with the clinical departments. There are no rival institutions in Memphis.

## MUSEUMS

Each department has its own museum, adjacent to the departmental laboratory. The contents of the museums are prepared especially as aids in instruction and are freely used as such. The value and contents of the several museums is rapidly increasing.

## LABORATORIES

Laboratories, designed and equipped for the work of the several courses, are established, as follows: Anatomy, Histology and Embryology, Physiological Chemistry, Physiology and Pharmacology, Bacteriology and Clinical Diagnosis, Pathology, and Operative Surgery.

Individual lockers, fully equipped with the usual apparatus required for the proper conduct of the work, are assigned to the students. The more expensive and less frequently used articles are obtainable on temporary loan, as required, from the supply stores connected with the several general laboratories. There are no special laboratory fees. but each student is made responsible for the equipment issued to him, and any actual damage is charged against his contingent deposit after his outfit is checked in at the end of the respective course.

Research laboratories are provided in connection with the general laboratories for the use of the full time teachers in charge of the courses and advanced students engaged in special work.

### LIBRARIES

The general library of the College is in Lindsley Hall. The number of volumes in the general library is being increased each year by the acquisition of modern books by purchase and donation. A librarian is employed to place the books at the service of the students, the faculty, and the medical profession of the state. In the reading room of the library are placed copies of eighty of the leading medical and scientific journals and magazines, while the bound volumes are preserved in the stacks.

The library fee charged to students is used to supplement the regular annual appropriation for additions to the general library.

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### CLINICAL FACILITIES

In the immediate vicinity of the College are located the Memphis General Hospital, and the Baptist Memorial Hospital. These have an aggregate of over three hundred free beds and a daily average of more than two hundred charity patients, available for clinical instruction.

#### MEMPHIS GENERAL HOSPITAL

Directly across Madison Avenue from Lindsley Hall is the Memphis General Hospital, which is in the closest affiliation with the College of Medicine. At present it has available 235 beds, with the completion of the new isolation hospital being built on the grounds its capacity will be increased by 50 beds. Under a twenty-year contract between the two institutions, the medical and surgical supervision of all parts of the General Hospital is vested in the faculty of the College of Medicine, from among whom the entire winter and summer staffs of the hospital, including the Chief of Staff for each of the Divisions of Medicine, Surgery, Gynecology and Obstetrics, are nominated by the Faculty Council of the College of Medicine, and appointed by the Board of Trustees of the Hospital.

#### OUT-PATIENT DEPARTMENT

The Out-patient Department of the Memphis General Hospital and the University of Tennessee is organized as an integral part of the municipal system for safeguarding the health of the people of Memphis who are unable to pay in full for the services they need. Its work is co-ordinated with that of the Memphis Board of Health, the Public Health Nursing Association, the In-patient Department of the Memphis General Hospital, and the Social Service Bureau.

In order to give a home to the Out-patient Department where its work could be carried out effectively and with consideration of the comfort of the patients, the University of Tennessee has remodeled all four floors of one of



its main buildings, Eve Hall, and provided additional treatment rooms in Lindsley Hall.

The first floor of Eve Hall is arranged for the reception and the dismissal of the patient. Here the patient is received by the medical officer and given a preliminary examination. A record of the previous history of the case is made. The Social Service Bureau and the Public Health Nursing Association also have offices on this floor. In cases where the medical officer thinks it necessary, a social service survey of the patient's affairs is made. If necessary, a nurse is sent out to care for the case. All the facts elicited concerning the patient are recorded and kept in the record department which is also on the first floor.

After the preliminary examination, the patient is sent to a specialist for treatment. On the second floor are five rooms for the treatment of patients assigned to the Department of Internal Medicine. Here the patient is given a thorough physical examination and is started upon a course of treatment proper to the case. Each treatment room is conducted by a competent specialist appointed from the faculty of the University of Tennessee. Also on the second floor, there are three treatment rooms for babies and two for the treatment of women's diseases.

Often as a part of the examination of the patient, it is necessary to examine the blood, or sputum, or urine. On the third floor a well-equipped laboratory is prepared to make these examinations. The laboratory is in charge of one of the experts of the University of Tennessee. Besides the laboratory, there are on the third floor four rooms for the treatment of minor surgical cases, one for diseases of the eye and one for the diseases of the ear, nose, and throat. There are also three rooms for the treatment of children with bodily malformations.

On the fourth floor there are three rooms for the examination and treatment of expectant mothers. There are also rooms for the treatment of nervous and mental diseases and of venereal diseases. On this floor, the Venereal Disease Social Service of the United States has an office. The director of this service co-operates with the city organization in the prevention of venereal disease and the correction of social conditions leading to its spread.

During the year 1920-21 there was an average of something over 500 patients treated each week. The total for the year was about 30,000. At present from 1,000 to 1,200 patients are receiving treatment each week. The total for the present year will reach 60,000. The maximum capacity of the present quarters is 1,750 patients a week, or 90,000 a year. There is every indication that the maximum capacity will be reached before the year 1923-24.

The value of this well-organized clinic to the University of Tennessee as a teaching asset cannot be estimated accurately. The large number of patients that are treated cannot all be used for teaching purposes. Only those cases that are most instructive are considered with the student. Such cases are collected by directors of the various divisions and are presented to the students. The students work in sections of ten men or less. Each student may thus be brought in close touch with the progress of the clinic. He may examine the patient, make a diagnosis, and prescribe the treatment—acting always under the immediate direction and guidance of the instructor.



BAPTIST MEMORIAL HOSPITAL

The Baptist Memorial Hospital is adjacent to Lindsley Hall. By contract with this institution the staff of the hospital must be selected from the Faculty of the College of Medicine.

The completion of the new wing has placed over eighty charity beds at the disposal of the College for teaching purposes.

GRADUATE HOSPITAL APPOINTMENTS

About twenty-four appointments to positions as resident internes in the local hospitals are at the direct disposal of the College of Medicine. These appointments are recommended by the Committee on Internes at the end of the Senior year upon the basis of the records of students during this period. The terms of service in the various institutions is one year; board and lodging are furnished.

HONORS

At Commencement, a gold medal, known as the Faculty Medal, is awarded that member of the graduating class whose general record throughout the four years' course has been most satisfactory. This award is not made entirely upon a numerical average of grades, but upon the entire record of the student's scholarship, faithfulness to duty, and practical efficiency.

Any four-year student of this College is eligible for this honor. Students who have entered with advanced time and subject credit for not more than two years may become eligible by taking with the regular classes the final examinations in those subjects for which they secured entrance credit.

*Certificates of Honor.*—A Certificate of Honor will be awarded to each graduating student who, during his four years' study of Medicine, has made a record in scholarship, faithfulness to duty, and practical efficiency in laboratory and clinical work which, in the opinion of the Committee on Honors, will entitle him to such a certificate. In general, the award of these certificates will be limited to students chosen from a group whose scholastic average has been equivalent to a grade of G.

SCHOLARSHIPS

For the session 1922-1923 the following scholarships are offered:

"Judge H. T. Ellett Scholarship" (value \$160): Dr. E. C. Ellett, F.A.C.S., Professor of Ophthalmology, has established this scholarship in honor of his father, formerly of Port Gibson, Mississippi, to be given to a worthy Mississippian.

"The Julius Levy Scholarship" (value \$160): Dr. Louis Levy, F.A.C.S., Associate Professor of Otology, Laryngology, and Rhinology, has established this scholarship in honor of the late Julius Levy of Memphis. It is to be given to a worthy student.

"Vincent D. King Scholarship" (value \$150): Dr. V. D. King grants this scholarship. It is available to any worthy student who needs financial assistance to enable him to follow his course of study.

## AWARDS OF SCHOLARSHIP,

In awarding scholarships, consideration will be given to the character and ability of the applicants, and to their need for financial assistance. Each award is made for one year only. All applicants for scholarships should submit to the Dean of the College of Medicine a statement of the facts which he believes would entitle him to the award, such statement to include evidence of the financial status of himself and his family and certificates of character, records of grades in other institutions and any other information which may be pertinent. In the case of unsatisfactory work or of serious breach of discipline, any unused portion of the scholarship may be withdrawn by the University at any time (after due warning and notice) and conferred upon another student.

## GENERAL INFORMATION

Inquiries in regard to any points not fully explained in the Bulletin are welcomed and will receive prompt attention. Prospective candidates for admission, whether definitely decided or not, should communicate with the Faculty Chairman early in the summer in order that any uncertainties in regard to entrance credentials may be cleared up and, if necessary, minor deficiencies removed by examination in September.

On arriving in Memphis, students not already well acquainted in the city should hold their baggage checks and go at once to Lindsley Hall, 879 Madison Avenue, reached by the Fair Grounds and East End cars. Here they may obtain information in regard to approved boarding houses and will be assisted in securing desirable accommodations.

Students are expected to adjust their arrivals in Memphis so that they may secure board and effect matriculation and registration on the days set apart for the purpose (September 30, October 1, 1921). Failure to report in person by the end of the first day of the session (October 3, 1921) will mean loss of a portion of the regular course of instruction, which begins promptly at 8 a.m. the following Monday, and involves the payment of an extra fee of two dollars.

# PRELIMINARY MEDICAL COURSE AT KNOXVILLE

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Students desiring to prepare for the study of medicine cannot always really determine in advance to what extent the work of a particular college is accredited or whether it will be possible to secure there in two sessions the exact courses which are required for admission to the College of Medicine. In order to provide for such students a course upon which they may enter with the definite assurance that it will fully meet these requirements, the University of Tennessee conducts a special Preliminary Medical Course. This course is offered at Knoxville in connection with the work of the College of Liberal Arts. It has been carefully planned to cover both those subjects which are required for admission to the study of medicine and also certain others which, while not required, are especially beneficial.

## REQUIREMENTS FOR ADMISSION

All candidates for admission must be provided with testimonials of good moral character and attainment, preferably from their last school or instructor. They must be at least sixteen years of age. If a candidate has been a member of any other college he must produce a certificate showing that he is free from censure in that institution.

Students may be admitted on examination or on certificate from accredited schools. Official blank certificates may be had on request.

Graduates of accredited schools<sup>1</sup> will be received on certificates from the principals of these schools, but the certificate must be on the regular blank furnished by the University and must specify in detail the work done by the candidates. It should be sent by the principal directly to the University.

At least fifteen<sup>2</sup> units are required, of which three must be in English, two in Mathematics, two in *one* foreign language and one in History. The remaining seven units may be selected from any of the subjects in the following list, except that not more than three units may be offered in vocational subjects.

(The figure following each subject shows the maximum of credit units that may be offered.)

English .....	4	Mathematics .....	4
Latin .....	4	History .....	4
Greek .....	3	Civil Government .....	1
German .....	3	Physics .....	1
French .....	3	Chemistry .....	1
Spanish .....	3	Botany .....	1

<sup>1</sup> The high schools, normal schools and preparatory schools of Tennessee which are regularly credited by the University of Tennessee (for a list of which see the Register), and the schools accredited by the Association of Colleges and Preparatory Schools of the Southern States and the schools accredited to the State universities which are included in the membership of this association.

<sup>2</sup> A unit of credit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. "A four years' secondary school curriculum should be regarded as representing not more than sixteen units of work."—National Conference Committee on Standards.

Zoology .....	1	Shopwork .....	2
Biology (Botany and Zoology)....	1	Domestic Science .....	2
Physiography .....	1	Commercial Subjects .....	3
Physiology .....	1	Musical Appreciation .....	1
General Science .....	1	Harmony .....	1
Agriculture .....	2	Musical Performance .....	1
Drawing .....	2		

A student may be admitted to the Freshman Class on condition, provided he is not deficient in more than two *units* of the number required for the course he wishes to enter. Such entrance conditions must be removed during the first year of residence, and no student will be promoted to a higher class until such admission conditions are removed.

### OUTLINE OF COURSES

#### FRESHMAN YEAR

Mathematics .....	6
English .....	6
French (or German) .....	6
Chemistry, Inorganic and Qualitative .....	8
Zoology .....	8
Drawing, free hand .....	

#### SOPHOMORE YEAR

Physics .....	8
Chemistry, Organic .....	6
French (or German) .....	6
Heredity and Comparative Anatomy .....	6
Psychology .....	6
Applied Water Color .....	

(The figure following each subject indicates the number of semester hour credits in that course. A semester hour is the credit value of one hour a week of lecture or recitation or two hours a week of laboratory work throughout a semester of at least sixteen weeks, exclusive of holidays.)

Upon the completion of this course a student is entitled to unconditional admission to the Freshman Class of the University of Tennessee College of Medicine.

### COMBINED DEGREES

*B.S. and M.D. Degrees in Six Years.* Students who have completed the Preliminary Medical Course in the University of Tennessee will be graduated with the degree of Bachelor of Science upon completion of the second-year course of the College of Medicine. The degree of Doctor of Medicine is conferred upon the completion of the fourth-year course in Medicine.

*A.B. and M.D. Degrees in Seven Years.* Students who desire to spend three years in the College of Liberal Arts may arrange with the Dean for a three-year schedule to include both the subjects specifically required for the degree of Bachelor of Arts and those required for admission to the College of Medicine. Students who have successfully carried out such a program will be graduated with the degree of Bachelor of Arts upon completion of the first-year course in Medicine.

Requests for admission blanks, inquiries regarding the Premedical Course, and completed credentials should be addressed to

DEAN M. MULVANIA, UNIVERSITY OF TENNESSEE,  
Knoxville, Tennessee.



# REQUIREMENTS FOR ADMISSION TO THE COLLEGE OF MEDICINE

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The requirements for admission to the first-year course of the College of Medicine are a four-year high school education or its full equivalent and two years of prescribed work in an approved college of arts and sciences.\*

## HIGH SCHOOL REQUIREMENT

The high school requirement is described in detail with reference to admission to the preliminary medical course of the University of Tennessee (pages 19-20).

## PREMEDICAL COLLEGE REQUIREMENT

In addition to this high school work, a candidate for admission to the College of Medicine must present evidence of the completion of at least sixty semester hours<sup>2</sup> of collegiate work in an approved college. The subjects included in the sixty semester hours of college work must be in accordance with the following schedule:

Required Subjects:	Semester Hours.
Chemistry .....	12
Physics .....	8
Biology .....	8
English Composition and Literature .....	6
Other non-science subjects .....	12

### Subjects Strongly Urged:

French or German, Advanced Zoology, Psychology, Mathematics, additional courses in Chemistry.

### Other Suggested Electives:

English (additional), Economics, History, Sociology, Political Science, Logic.

## REQUIREMENTS IN INDIVIDUAL COLLEGIATE SUBJECTS.

(a) *Chemistry.* Twelve semester hours are required, of which eight must be in general inorganic chemistry, including four semester hours of laboratory work. (In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry.) The remaining four semester hours must consist of organic chemistry.

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\*The purpose of the requirement of two years of college work is to secure the benefits of collegiate training preliminary to the study of medicine. Work in professional schools is not equivalent to this. This requirement will not be satisfied, therefore, by attendance upon schools of law, dentistry, pharmacy, veterinary medicine, normal schools, or business colleges.

<sup>2</sup>A semester hour is the credit value of one hour a week of lecture or recitation or two hours a week of laboratory work throughout a session of at least sixteen weeks, exclusive of holidays. Sixty hours constitute the minimum requirement; students are advised to take additional courses amounting to a total of sixty-six to seventy-two semester hours.



(b) *Physics*. Eight semester hours required, of which at least two must be laboratory work. It is urged that this course be preceded by a course in Trigonometry and Solid Geometry.

(c) *Biology*. Eight semester hours required, of which four must consist of laboratory work. The requirements may be satisfied by a course of eight semester hours in General Biology or Zoology, or by courses of four semester hours each in Zoology and Botany, but not by Botany alone.

(d) *English Composition and Literature*. The usual introductory college courses of six semester hours, or its equivalent, is required.

(e) *Non-Science Subjects*. Of the sixty semester hours required as the measurement of two years of college work, at least eighteen, including six semester hours of English, should be in subjects other than the physical, chemical, or biologic sciences. At least six of these eighteen semester hours should be in a modern foreign language.

No entrance conditions whatever can be allowed nor can any substitutions be made for the required subjects. Premedical students in other colleges and universities who are considering the possibility of entering upon their medical studies in this university are urged to have the authorities of the University of Tennessee pass officially upon their academic credits early in their last premedical college year and in no case later than June 1, of that year. Deficiencies may be discovered in this way in time to remove them before the following September. Such students will incur no obligation to enter this medical school.

Further information concerning the details of entrance requirements and forms for certificates may be obtained by addressing the Faculty Chairman of the College of Medicine.

### ADMISSION TO ADVANCED STANDING

An applicant for time and subject credit in consideration of courses completed in other colleges of medicine, must submit evidence duly certified by the proper authorities, of:

(a) Satisfaction, prior to entering this college, of the full requirements for admission in operation at the time of matriculation of the class which he seeks to enter.

(b) Residence as a matriculated medical student for a period not shorter than the residence here of the class which he desires to enter.

(c) Honorable dismissal from the last institution attended, including the satisfaction of all financial obligations.

(d) Attendance and grades in *all* courses pursued at the former institution\*

*No credit is given for any course upon which the student failed or was conditioned in the institution from which he came unless such failure or condition shall have been removed to the satisfaction of that institution or the course repeated in full in this College.*

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\*This should include a description of content of courses, hours devoted to each, amount of practical work, percentage of attendance and final grade on each course, and a statement of the class to which the student would have been assigned had he returned to the former institution. Final grades made by supplementary examinations are to be so designated.

In addition to the above rules, which apply to all applicants for time and subject credit, the following operate according to the rank of the school from which the student comes:

*Time and Subject Credits* may be accorded as follows:

1. To students from Class A schools—

Time credit for not over three years.

Subject credit, without examination, in those subjects for which certificate of attendance and passes are held.

2. To students from Class B schools—

Time credit for not over one year.

Subject credit, for the courses of the first year, by examination only.†

#### ASSIGNMENT TO CLASSES

When a student has submitted all the required evidence, his record will be taken up by the Dean, and he will be assigned to his class in accordance with the rules applied to the promotion of the full time students of this College. (See page 24.) *No student will be assigned to a higher class than that in which he would have been registered* had he returned to the college which issued his credits.

A student who has submitted the evidence required in II, *a, b, c*, above, but whose certificates of credit are lacking, may be provisionally assigned to a class upon his own written statement of the courses for which he has credit. Such provisional assignment is only effective until the end of the third week of the session, and the student will be permanently assigned according to the certified evidence available on that date.

*Special Notice.*—Applicants for admission to advanced standing are especially urged to make early preliminary application, and to submit all credentials by mail prior to July 1. In many cases it will then be possible to advise the applicant at once as to his assignment; if it is unsatisfactory to him, the credentials will be promptly returned or forwarded elsewhere as he may direct. In certain cases, where deficiencies exist, early application will enable them to be pointed out and the student given time to prepare for removing them by Summer courses.

Statements by officers of the College in regard to probable assignment to classes, made by request of applicants, and in advance of the receipt of full official credentials, are to be considered as purely tentative.

#### ADMISSION AS SPECIAL STUDENTS

Graduates in Medicine desiring to pursue special laboratory or clinical courses will be enrolled as special students in any courses desired, upon payment of the scheduled fees for such courses.

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†Special examinations are held only during the week preceding the opening of the session in September. For 1922, these examinations will commence September 27 at 9 a. m.

Other persons over twenty-one years of age, not candidates for the degree of Doctor of Medicine, may be enrolled as special students in any course desired, provided that, in the judgment of the Committee on Students, they are prepared to pursue such courses to advantage.

No work completed while enrolled as a special student can be counted toward the satisfaction of the requirements for the degree of Doctor of Medicine.

#### ADMISSION AS GRADUATE STUDENTS.

Persons who meet the conditions for candidacy for the M.A. or M.S. degree of the graduate school of the University may be admitted to such candidacy by registration at the Medical College. The Master's degree will be granted on completion of work designated by the faculty of the Medical College.

# GENERAL REGULATIONS

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## MATRICULATION AND REGISTRATION

Prior to enrollment in classes, students who have not been previously in attendance in the University of Tennessee, are required to matriculate, and those who have been previously in attendance are required to register at the beginning of each collegiate year.

Matriculation and registration include:

1. Application *in person* to the Registrar.
2. The Registrar's authorization to matriculate or register.
3. Payment of all fees due at the opening of the session.

Matriculation will be granted only to those students who have submitted in proper form the required evidence of preliminary education (see Requirements for Admission, pages 17-19†). Prospective matriculants should apply early in the summer for blank forms which are to be executed by the principals of the schools and recording officers of the colleges attended and mailed by them direct to the Registrar of the College of Medicine.

The day preceding and the first day of the session are set apart for matriculation and registration. An enrollment fine of two dollars is added to the fees of any student who fails to report in person before the end of the first day of the session (6 p.m., September 30, 1922). Matriculation and registration will be refused to applicants who fail to report in person before 6 p. m., October 9, 1922.

The University reserves the right to refuse registration to any student whose record is such as to render his presence a detriment to the College of Medicine or its students.

## ENROLLMENT AND CREDIT FOR ATTENDANCE

Entry upon class rolls and credit for attendance in the several courses may be accorded by the instructors in charge only upon presentation of the certificate that matriculation or registration has been completed.

## ATTENDANCE AND DISCIPLINE

In any course the minimum of attendance for which credit is allowed is 80 per cent of the scheduled hours. The margin of 20 per cent is allowed to provide against serious illness or other unavoidable absence, and must never be approached except under such circumstances. Regular attendance upon all scheduled work is required, and absence without cause may debar a student from the final examination and credit for a course until he has completed

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†In the absence of a portion of the necessary credentials, the Faculty Chairman may authorize provisional matriculation for a period not extending beyond the third week of the session. If matriculation is not made permanent before the end of this period by the receipt and acceptance of all required credentials, the student will sever his connection with the College and his fees (with the exception of the matriculation fee and any necessary deduction from the contingent deposit) will be refunded.



such additional work as the Committee on Students may require. The University may require the withdrawal of a student at any time for repeated infraction of the above or any other regulations.

Students absent from roll call, but reporting within five minutes after the beginning of any scheduled class period, are marked tardy. For students reporting more than five minutes late, one hours absence is recorded for each hour or fractional part of actual absence. Students absent from the first portion or leaving before the end of a laboratory period are credited with the number of whole hours actually present, provided report is made on thus entering or leaving; absence from either the initial or final roll call without reporting to the instructor in charge is cause for a mark "absent" for the entire period.

### MARKING SYSTEM

The marks used in all official reports of students' grades are: E, G, S, P, D, X.

The significance of these, and their approximate equivalents on a numerical basis, are as follows:

E (excellent; 95-100 per cent) is a mark of high distinction given to that very small proportion of students whose work is approximately the best that can be expected.

G (good; 85-94 per cent) is given for work clearly above the average, but not of the highest order.

S (satisfactory; 75-84 per cent) represents such work as may be expected of the average student.

P (pass; 70-74 per cent) is given for work below the average, but still deserving a pass.

D (deficient; 60-69 per cent) represents unsatisfactory work too poor to pass, but not deserving of absolute failure.

X (failure; below 60 per cent) signifies entirely unsatisfactory work; if given as a final grade it implies the repetition of the course.

### SESSIONAL AND FINAL GRADES.

*The Sessional Grade* is based upon a consideration of the record of a student as to practical work, daily recitations, and formal written, oral and practical tests throughout the course, combined in such proportions as may be determined by the teaching staff of each Division.

*The Final Grade* is determined by averaging the sessional and the grade on the final examination in the proportion of approximately two to one.

*Intermediate Grades.*—At the end of the first trimester and at such other times as the Dean may require, reports in each subject not complete at the time will be submitted by the heads of departments. Such intermediate reports will show the character of the work of each student and the number of his absences during the time reported on. They are solely for the information of the Dean and Committee on Students and will not be made a part of the permanent record of students.

## EXAMINATIONS

A final examination (which may be either written or practical or both) is held at the end of the period in which the course is scheduled to be completed. The final examination may cover all didactic and practical instruction given during the entire course.

An unsatisfactory record of practical work throughout the course, or an unsatisfactory practical examination may debar a student from the final written examination. An excellent record through the course may, in the discretion of the head of the department, excuse a student from the final examination.

There are no fees for examinations in the College of Medicine.

The faculty requires that all grades of any regular or conditional examination shall be reported to the Registrar within eight days after the date of the examination.

## SUPPLEMENTARY EXAMINATIONS

A regularly scheduled series of examinations is held in September of each year on the two days next preceding the opening of the session. These examinations are given for the benefit of those who for sickness or other good reason were absent from the regular examinations, for those who desire to enter with credit for work in other colleges for which certificates of credit are not accepted, and for the conditioned students of this College.

For 1922 these examinations will commence Wednesday, September 27, at 9 a. m. All persons interested will be present at this time and report to the Supervisor of Examinations. *No special examinations will be held at any time, except under extraordinary circumstances and by special authorization of the Faculty Chairman.*

Prospective candidates for admission, and especially those who contemplate making application for admission with advanced standing, are urged to communicate with the College of Medicine as soon after the first of June as possible. Deficiencies in preparation will then be pointed out, and in some cases may be removed during the summer. (See Requirements for Admission, pages 17-19.)

## REQUIREMENTS FOR THE COMPLETION OF A COURSE.

## CREDITS.

The requirements for the satisfactory completion of a course are:

First—A record of attendance upon at least 80 per cent of the hours scheduled for that course.

Second—A final grade of E, G, S, or P.

No credit is allowed except for completed courses.

## CONDITIONS.

A student whose final grade in any course is D, is conditioned in that course.

Subject to the general rules under Promotion and Classification of Students, a student who is conditioned in a course is entitled to *one* re-examination in that course at the scheduled supplementary examination the next September.

If he passes this examination, the Committee on Students will direct that his record be amended by substituting P for the D originally recorded, and credit is thereby conferred.

Conditions not removed at the following September examinations, either through non-appearance or otherwise, become failures; provided, that in cases of severe illness or other extraordinary circumstances the Committee on Students may by special action authorize another examination not later than the end of the first trimester.

#### FAILURES.

A student fails in a course:

1. If his record of attendance be less than 80 per cent of the hours scheduled for that course.
2. If his final grade be X.
3. If, as a conditional student, he fails to remove the condition at the time provided.

A student will not be allowed credit for a course in which he has failed until he shall have received such further instruction in that course as may be determined by the head of the department in which he has failed, and approved by the Dean. In general, this will consist of the repetition of the work in the regular course in this College, but in particular cases permission may be granted to substitute work in the vacation courses of other approved colleges or private instruction by an approved tutor.

A student who fails in a course after repeating it cannot receive credit for that course in this institution and, thereby, automatically excludes himself from graduation.

#### PROMOTION

The regular promotion from one class to another will be made by the Committee on Students following the May examinations, and each student will receive written notice of his standing before June 30.

The general rules applying to promotion are as follows:

1. Students who have successfully completed all of the work of a given year will be promoted to the next higher class.
2. Students against whom there are entered not more than two conditions or one failure may be granted promotion *conditioned* upon the accomplishment of certain specified work in approved Summer courses or the removal of conditions by examination in September. The granting of conditional promotion lies entirely in the discretion of the Committee on Students, who may withhold it and require the repetition\* of all of the work of that year. In reaching a decision in any particular case the committee will review the record of the student as to diligence, regularity in attendance, and attainments in courses other than those in which he is deficient, with a consideration of the bearing of the latter upon his ability to undertake successfully the work of the next higher year.
3. Students who have recorded against them failures in as many as two courses, or who have for any reason failed to obtain credit for three courses

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\*The repetition of a course requires attendance of at least 80 per cent, the performance of all practical work and the attainment of at least a P (pass) mark as a final grade.

of any year, will not be granted promotion, and will be required to repeat all of the work of that year\*

Promotion with conditions will in no wise alter the requirements for the removal of conditions.

### CLASSIFICATION

Students not promoted and students conditionally promoted but failing to satisfy the conditions imposed will be enrolled in the year's work in which they have failed. They may take such courses of the next higher year as the Committee on Students may approve, which do not conflict with the scheduled appointments of the courses which they are required to repeat. *In all cases of students with mixed schedules, the courses of the lower year must be given precedence in any conflict of hours.*

In addition to the above, the following general rules of classification apply:

<i>Classification as a</i>	<i>Requires the removal of all conditions of the</i>
<i>Junior.....</i>	Freshman Year.
<i>Senior.....</i>	Freshman, Sophomore, and Junior Years.

The above rules for promotion and classification will also apply to students who enter with time and subject credit for work pursued in other medical colleges.

### REQUIREMENTS FOR GRADUATION

In order to be admitted to the degree of Doctor of Medicine, an applicant must comply with the following conditions:

1. He must be at least twenty-one years of age.
2. He must have presented evidence of the preliminary training required at the time of entry of that class with which he seeks to graduate.
3. He must have been in residence as a matriculated medical student in an acceptable medical college for at least four annual sessions, of which at least the last must have been in this College.
4. He must have satisfactorily completed all courses of the first three years before beginning his Senior year.
5. He must have completed all courses of the Senior year with a general average satisfactory to the Faculty.
6. He must have discharged all his financial obligations to the College.

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\*The repetition of a course requires attendance of at least 80 per cent, the performance of all practical work and the attainment of at least a P (pass) mark as a final grade.



## FEES AND EXPENSES

*The Tuition Fees* in the College of Medicine are as follows:

	First, Second and Third Year Courses Each	Fourth Year Course
To residents of Tennessee*.....	\$100	\$125
To non-residents of Tennessee.....	\$150	\$175

*The Matriculation Fee* of five dollars is charged to all students who have not been previously in residence in the University of Tennessee. This fee is payable but once and should accompany the formal application for admission. It is returnable only in case matriculation is refused.

*The Library Fee* of two dollars is payable at entrance, annually.

There are no extra fees for the use of lockers, special examinations, private quizzes during the session, graduation, diploma, etc.

An *Enrollment Fee* of two dollars is added to the fees of any student who fails to report in person to the Registrar or the Dean on or before the first day of the session, October 3, 1921.

A deposit of ten dollars from each student of the First and Second Year Classes and of five dollars from each student of the Third and Fourth Year Classes is required as a guarantee against breakage, waste, loss of keys, etc. After the necessary deductions are made the balance is returnable to the student at the end of the year, or upon the return of all property loaned by the University, should the student withdraw earlier.

## PAYMENT OF FEES

Before matriculation is completed a payment must be made covering the Matriculation Fee, the Library Fee, at least one-third of the Tuition Fee, the Contingent Deposit and (only in case of failure to report in person on the first day of the session) the Enrollment Fine of \$2. Registration (for students previously in attendance) requires the same payment with the exception of the matriculation fee. Any balance unpaid on the tuition is payable in equal parts on or before the first day of each of the last two trimesters.

No postponements of payments or deductions are allowed; notes are not accepted under any circumstances.

No student will be admitted to any laboratory or enrolled in any class until matriculation or registration is completed. In case of delinquency in payment of the tuition, the name of the student is dropped from the class rolls. No credit is allowed for any attendance during the time when the name of the student is not on the roll of the class.

## REFUNDING OF FEES

To any student who voluntarily withdraws within two weeks after entering, all money which he has paid for that year will be refunded, with the exception of the matriculation fee and such portion of his contingent deposit

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\*This concession is in consideration of the public maintenance of the University. Before claiming this deduction, legal residence must be established.

as may be required to make good any actual damage to laboratory equipment or other property of the University. To any student who voluntarily withdraws before the beginning of the second trimester will be refunded any unused portion of the tuition fee paid.

To any student advised to withdraw on account of poor scholarship will be refunded the proportionate amount of his tuition.

#### OTHER EXPENSES

Each student is required to own a microscope of approved type. Arrangements have been made with the manufacturers by which the University can order microscopes for students at a considerable discount. Instruments of the approved type may be secured at from \$110 to \$115 each, depending upon the manufacturer. The University has made arrangements whereby the student is allowed to pay for his instrument in installments, during the first three years of his medical course. The installments for the Freshman year will be \$15 at the beginning of each trimester.

Students in the Third Year Course will provide themselves each with a hæmocytometer, hæmoglobinometer, a blood lancet, and a stethoscope (about \$20).

Board with furnished room, heat and light may be obtained at a cost of from \$300 to \$400 for the session. The net cost of books and instruments, exclusive of those mentioned above, average between \$35 and \$45 per year.

#### FEES FOR SPECIAL COURSES

Graduate physicians, enrolling as special students, will pay a fee of \$10, which entitles them to attend any lectures and clinics during one session; for laboratory work the fee is \$10 to \$15 for each course taken with the regular classes during the session. Fees for special work during the session and during the summer vary from \$20 to \$30 for each laboratory course. Details may be had upon application to the Registrar or the professor in whose department the work is desired.

Persons other than graduate physicians, entered as special students, pay the full regular undergraduate fees for tuition in proportion to work taken.

## THE PLAN OF INSTRUCTION

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The course of instruction covers four college years of thirty-three weeks each, exclusive of examinations and holidays, divided into three trimesters. This arrangement makes it possible to secure a proper sequence in the curriculum and an even distribution of work throughout the year, while permitting a reasonable degree of concentration in the teaching of those subjects in which concentration is advantageous.

The curriculum has been graded to the end that the earlier courses are always preparatory to those which follow, and that no duplication of work occurs. The advantages of this sequence of courses can only be secured by regular attendance during periods comprising not less than the full thirty-three weeks, and by beginning each year with the first trimester. For these reasons, entry at other times is only permitted under unusual circumstances and credit is allowed for completed courses only. For the same reason students are not permitted to undertake advanced work until they have completed the earlier preparatory courses, therefore a student is permitted to carry over from one year to another only a very limited number of conditions.

The general plan of the curriculum is that the first two, or pre-clinical years, are devoted almost entirely to the more strictly scientific work of the fundamental subjects, which serves as a basis for clinical studies which follow. The instruction given during this period is primarily that of the laboratory; first hand, positive knowledge is the only kind which is of value to science, and chief attention is given to this essential part of the physician's equipment. The nature of the work demands the development of the powers of observation and reasoning, rather than those of memory. The laboratories are equipped for systematic and accurate work, and such work is exacted of the student.

Class room instruction consists of discussion of assigned readings, frequent oral and written recitations, and such demonstrations and lectures as are necessary in presenting those phases which do not lend themselves to laboratory treatment and in aiding the student properly to interpret and arrange his laboratory observations, and in keeping before him a comprehensive view of the work. The instruction during this period is in the hands of experienced teachers, who devote their entire time to this work, and to research.

Clinical instruction in the Junior Class is given in the Out-patient Department. The class is divided into three sections, which work for periods of eleven weeks in the Departments of Medicine, Surgery, Obstetrics and Gynecology. Here, under the careful supervision of one of the clinical instructors, they are trained in the methods of history taking, the making of physical examinations, and the process of arriving at an accurate clinical diagnosis.

The Senior Class is assembled at eight and at one o'clock for didactic or clinical lectures. The clinical lectures are accompanied by operations or demonstrations of one or more patients, representing the conditions under discussion. Between the hours of nine and twelve the Senior Class is divided into sections for ward work in Medicine, Surgery, Obstetrics, and Gynecology, and the specialties. Under the direction of instructors, physical examinations

and laboratory tests are made. Histories are being written of all the patients in the hospital. These histories, with their daily notes, are carefully criticized and corrected by the instructors in the various branches.

From two to four o'clock, sections of the Senior Class work in the special clinics out of the Out-patient Department.

### THE CURRICULUM

The following curriculum represents a revision of the plan of instruction to conform to the requirements of the best experience. The effort has been to lay adequate and proportionate stress on all subjects which are essential to the equipment of the general practitioner, to reduce to a minimum the number of independent courses, and to secure a closer correlation in the teaching of related subjects.

The instruction is organized under six divisions, as follows:

Division I. Anatomy, Histology, and Embryology.

Division II. Physiology, Chemistry, and Pharmacology.

Division III. Pathology and Bacteriology.

Division IV. Medicine (including Clinical and Physical Diagnosis, Pediatrics, Dermatology and Syphilology, Tropical Medicine, Neurology and Psychiatry, Jurisprudence, and Ethics).

Division V. Surgery (including Ophthalmology, Otology, Laryngology, and Rhinology, Roentgenology, Orthopedics, and Urology.

Division VI. Obstetrics, and Gynecology.

Division VII. Public Health.

### SYNOPSIS OF THE CURRICULUM

The curriculum, as outlined below, contemplates an average of thirty-five scheduled hours of instruction per week of thirty-three weeks in each year. The following table shows the amount of time given to each subject in each year. Details as to the work of each course are given, under the several divisions, in the "Curriculum in Detail." The figures indicate the number of hours planned for each student. At present, all courses are required, but plans are under consideration for the introduction of a certain amount of elective work.



## DIVISION OF STUDIES

AND TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy .....440	Anatomy ..... 55	Public Health ..... 55	Public Health ..... 66
Histology ..... 165	*Chemistry ..... 99	Medicine .....396	Medicine .....308
Embryology ..... 88	Physiology .....110	Clinical Diagnosis ..... 88	Pediatrics ..... 87
Physiology .....209	Pharmacology and Materia Medica .....242	Pediatrics ..... 66	Neurology and Psychiatry.120
Chemistry .....198	Bacteriology .....132	Neurology ..... 33	Dermatology ..... 11
	Pathology .....297	Dermatology ..... 22	Surgery .....220
	Physical Diagnosis ..... 44	Surgery .....264	Orthopedics ..... 76
	Medicine ..... 11	Orthopedic Surgery ..... 22	Ophthalmology ..... 65
	Surgical Technique ..... 44	Ophthalmology ..... 11	Otology ..... 65
	Surgery ..... 11	Otology ..... 11	Urology ..... 81
		Urology ..... 11	Obstetrics ..... 70
		Roentgenology ..... 22	Gynecology ..... 11
		Obstetrics .....110	Roentgenology ..... 11
		Gynecology ..... 66	
		Medical Jurisprudence.... 22	

\*1922 only.

# THE CURRICULUM IN DETAIL

## I. DIVISION OF ANATOMY

AUGUST HERMSMEIER WITTENBORG, *Professor of Anatomy and Administrative Head of the Division.*

ORREN WILLIAMS HYMAN, *Professor of Histology and Embryology.*

....., *Associate Professor of Anatomy.*

CLEVELAND SYLVESTER SIMKINS, *Assistant Professor of Anatomy, Histology, and Embryology.*

GROVER CLEVELAND CONYERS, *Instructor in Anatomy.*

COLEMAN CRAIG BURNS, *Instructor in Anatomy.*

LORAIN ORR DUTTON, *Instructor in Histology and Embryology.*

ALFRED MEYER GOLTSMAN, *Assistant in Anatomy.*

....., *Instructor in Anatomy, Histology, and Embryology.*

....., *Teaching Fellow in Anatomy, Histology, and Embryology.*

### FIRST YEAR COURSES

*Course 1—Embryology.* Formation of the germinal elements and development of the fetus and its membranes; organogeny.

First and second trimesters.....88 hrs.

(Professor Hyman; Associate Professor, .....)

*Course 2—Histology.* General and special histology, including neurology. Each student is furnished with a loan collection of prepared slides. The laboratory work consists of study of the slides by the students and demonstrations with the aid of projecting apparatus. A partial record of the work is made in drawings. The microscopic study of the organs is preceded by examination with a hand-lens.

First, second and third trimesters.....165 hrs.

(Professor Hyman.)

*Course 3—Gross Anatomy.* This course consists of a systematic dissection of the body. Each student is supplied with half a disarticulated skeleton for use throughout the course. He dissects at least one half of one body. Cross sections are studied during the course. Prepared sections are used and students make some of their own sections. Demonstrations and constructive quizzes accompany the dissection.

First, second and third trimesters.....440 hrs.

(Professor Wittenborg; Associate Professor, .....)

### SECOND YEAR COURSE

*Course 4—Applied Anatomy.* A topographical study of the body. The living subject, regional dissections, serial sections, and X-ray plates of the normal body are utilized in this course.

Second and third trimesters.....55 hrs.

(Professor Wittenborg.)

## II. DIVISION OF PHYSIOLOGY, CHEMISTRY, AND PHARMACOLOGY

JAMES HAROLD COLLINS, *Professor of Physiology and Pharmacology.*

HUGH ELLIS MORROW, *Professor of Chemistry.*

ROBERT LATTA CROWE, *Associate Professor of Pharmacy and Materia Medica.*

EVERETTE LEE HENDERSON, *Assistant Professor of Chemistry.*

WILLIAM RULHRAUFF AMBERSON, *Assistant Professor of Physiology.*

NEUTON STERN, *Instructor in Physiology.*

RUDIE JULIUS CARLSON, *Instructor in Chemistry.*

OWEN FRANK AGEE, *Technical Assistant in Chemistry.*

JOHN METCALF MAURY, *Technical Assistant in Physiology.*

ROBERT CLAYTON FORD, *Technical Assistant in Chemistry.*

JAMIE FRIQUET BADGETT, *Technical Assistant in Chemistry.*

### FIRST YEAR COURSES

*Course 1—Physiological Chemistry.* Includes: composition of foods; enzymes; digestion and metabolism of fats, carbohydrates, and proteins; fuel value of foods, energy requirements, and dietary standards; examination of blood, urine, etc., by qualitative and quantitative methods.

First, second, and third trimesters.....198 hrs.

(Professor Morrow.)

*Course 2—Physiology.* The general physiology of the entire body, muscle, nerve, central and automatic nervous systems, special sense, respiration, circulation, digestion, internal secretion, and metabolism. Text-book, Howell, in connection with Cannon's Laboratory Guide.

Second and third trimesters.....209 hrs.

(Professor Collins and Dr. Amberson.)

### SECOND YEAR COURSES

\**Course 4—Physiological Chemistry.* Continuation of Course I.

First trimester .....110 hrs.

(Professor Morrow.)

*Course 5—Physiology.* This course embraces sixteen lectures in dietetics; ten quizzes and ten lectures over pathological physiology, including psychological physiology and laboratory experiments on mammals, with particular reference to internal secretion, metabolism, respiration, and circulation, and their abnormalities. Text-book, McCleod, Physiology and Bio-chemistry.

First trimester .....110 hrs.

(Professor Collins and Dr. Stern.)

*Course 6—Pharmacology. (A)* The physiological action of the principal drugs with their toxicology.

*(B)* Preparation and presentation by each student of two six hundred word themes, and the preparation of cards embracing the Materia Medica and Pharmacology of the important drugs, prescription writing, methods of admin-

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\*1922 only.

istration, pharmacological incompatibilities. Text-book, Bastedo, Pharmacology and Therapeutics.

(C) Laboratory experiments, performed and recorded by the students, illustrating in detail the action of the therapeutically important drugs on both warm and cold blooded animals, with selected experiments in toxicology. Text-book, Jackson's Experimental Pharmacology.

Second and third trimesters.....242 hrs.

(Professor Collins, Associate Professor Crowe.)

### III. DIVISION OF PATHOLOGY AND BACTERIOLOGY

HARRY CHRISTIAN SCHMEISSER, *Professor of Pathology and Bacteriology, Chief of Division; Director of Department of Pathology.*

JOHN ALEXANDER MCINTOSH, *Associate Professor of Pathology, Director of Department of Clinical Pathology.*

WILLIAM KRAUSS, *Associate Professor of Bacteriology, Director of Department of Bacteriology.*

MIRIAM M. DRANE, *Assistant in Bacteriology.*

M. EVELYN WARD, *Technical Assistant in Pathology.*

ETTA WADE, *Technical Assistant in Clinical Pathology.*

FRANCES F. BENDEN, *Secretary of Division.*

#### SECOND YEAR COURSES

*Course 1—Bacteriology.* A study of bacteria, their activities, products, cultivation, reactions on culture media, staining, animal experimentation, yeasts and molds; especial attention to pathogenic bacteria. Lectures, recitations and laboratory.

First trimester .....132 hrs.

(Associate Professor Krauss and Miss Drane.)

*Course 2—Pathology.* A study of the fundamental pathological processes such as inflammation, circulatory disturbances, degenerations, etc., followed by a study of the lesions of the individual organs. Lectures, recitations, laboratory, attendance and participation at autopsies.

Second and third trimesters.....297 hrs.

(Professor Schmeisser and Associate Professor McIntosh.)

#### THIRD YEAR COURSES

*Course 3—Clinical Diagnosis.* A study of body excreta, blood, gastric contents, spinal fluid, exudates and transudated. Demonstrations, laboratory and recitations.

First trimester .....88 hrs.

(Associate Professor McIntosh.)

*Course 4—Surgical Pathology.* A study of tissues removed at operations. Demonstrations and laboratory.

First trimester .....22 hrs.

(Professor Schmeisser.)



## FOURTH YEAR COURSES

*Course 5—Clinical-Pathological Conference.* Patients whose cases have been studied by students while working in the wards and which have come to autopsy are presented before the class. The clinical and pathological diagnosis and treatment are discussed.

Entire year .....33 hrs.

(Professors McElroy and Schmeisser.)

## SPECIAL COURSES

*Course 6—Clinical-Pathological Conference for Graduates.* Patients whose cases have been studied in the wards and have come to autopsy, are presented. The clinical and pathological diagnosis and treatment are discussed. All graduates of medicine are invited to attend and participate.

Entire year, one evening a week.

(Professor McElroy and Clinical Staffs.)

(Professor Schmeisser and Laboratory Staffs.)

*Course 7—Laboratory Training in Pathology, Clinical Pathology, and Bacteriology, for students and graduates.* A limited number of students and graduates of medicine, subject to the approval of the Chief of the Division, may avail themselves of the opportunity to come in contact with the abundant and varied material and be taught in the later laboratory methods, free of tuition. by assisting in the diagnostic service rendered by the Departments of Pathology, Clinical Pathology, and Bacteriology.

Twelve months of the year—hours by agreement.

(Professor Schmeisser, Associate Professors McIntosh and Krauss, and Assistants.)

*Course 8—Training of Technical Assistants in Pathology, Clinical Pathology and Bacteriology.* A limited number of men and women, graduates of high school or the equivalent, subject to the approval of the Chief of the Division, may avail themselves of the opportunity to be trained as technicians, free of tuition, provided that they obligate themselves to duty for at least one year.

(Professor Schmeisser and Technical Staff.)

## IV. DIVISION OF MEDICINE

JAMES BASSETT MCELROY, *Chief of Division.*

## PROFESSORS.

MARCUS HAASE, *Professor of Dermatology and Syphilology.*

ARTHUR GRANT JACOBS, *Professor of Pediatrics.*

WILLIAM KRAUSS, *Professor of Tropical Medicine.*

LOUIS LEROY, *Professor of Medicine.*

JAMES BASSETT MCELROY, *Professor of Medicine.*

EDWARD CLAY MITCHELL, *Professor of Pediatrics.*

BENJAMIN FRANKLIN TURNER, *Professor of Neurology and Psychiatry.*

OTIS SUMPTER WARR, *Professor of Medicine.*

ASSOCIATE PROFESSORS.

WALTER THOMAS SWINK, *Associate Profesor of Medicine.*  
EMMETT RUSSELL HALL, *Associate Professor of Dermatology.*

ASSISTANT PROFESSORS.

JOEL JONES HOBSON, *Assistant Professor of Pediatrics.*  
HENRY RUDNER, *Assistant Professor of Medicine.*  
WALTER RICHARD WALLACE, *Assistant Professor of Psychiatry.*  
CLEMENT HOOVER MARSHALL, *Assistant Professor of Dermatology.*

INSTRUCTORS.

ARTHUR FERDINAND COOPER, *Instructor in Medicine.*  
FRANK THOMAS MITCHELL, *Instructor in Pediatrics.*  
EDWARD GILMER THOMPSON, *Instructor in Medicine.*  
CARROLL CONWAY TURNER, *Instructor in Neurology.*

LECTURERS.

RAYMOND EDWARD MANOGUE, *Lecturer on Medical Jurisprudence.*

ASSISTANTS.

JOE CLIFTON, *Assistant in Medicine.*  
WILLIAM RAMSEY BLUE, *Assistant in Pediatrics.*  
WILLIAM RUSSELL GRAVES, *Assistant in Pediatrics.*  
GILBERT J. LEVY, *Assistant in Pediatrics.*  
WILLIAM WRIGHT MITCHELL, *Assistant in Pediatrics.*  
ARTHUR GARDNER QUINN, *Assistant in Pediatrics.*  
WALTER LEE RUCKS, *Assistant in Pediatrics.*  
CONLEY HALL SANFORD, *Assistant in Medicine.*  
HAROLD A. SPARR, *Assistant in Medicine.*  
NEUTON STERN, *Assistant in Medicine.*  
HUBERT KING TURLEY, *Assistant in Medicine.*  
CARROLL TURNER, *Assistant in Medicine.*  
WILLIAM CAMPBELL COLBERT, *Assistant in Medicine.*  
WARREN TALMAGE DINSMORE, *Assistant in Medicine.*  
DAVID HAMILTON JAMES, *Assistant in Medicine.*  
WILLIAM V. PRUETT, *Assistant in Medicine.*  
CLAUDE ALLEN SYMONS, *Medical Officer of the Out-patient Department.*  
HUBERT KING TURLEY, *Assistant in Medicine.*

SECOND YEAR COURSES

*Course 1—Physical Diagnosis and History Taking.* Lectures, demonstrations, and practical exercises in the technique of physical diagnosis and in the interpretation of signs elicited by inspection, palpation, percussion, and auscultation in health, together with the surface anatomy. Instruction will also be given in history taking.

Third trimester .....44 hrs.  
(Dr. Swink.)

*Course 2—Recitation in Clinical Medicine.* The purpose of this recitation is to teach something of diseases rarely seen in the wards and to emphasize the cardinal features of each common disease.

Third trimester .....11 hrs.  
(Dr. Thompson.)

#### THIRD YEAR COURSES

*Course 2a—Recitation in Clinical Medicine.* This is a continuation of Course 2. Tropical Diseases are included in this course.

Entire year .....33 hrs.  
(Drs. Thompson and Cooper.)

*Course 3—Medical Dispensary.* a. One-third of each class works in the medical dispensary during each trimester. This group is subdivided and the sub-groups rotate through the general medicine, gastro-intestinal and tuberculosis clinics. The students take histories, make physical and laboratory examinations under the direction of the staff.

One trimester .....88 hrs.  
(Drs. Thompson, Cooper, Turley, King, Sparr.)

b. *Clinical Conference—Whole Class.* Interesting cases will be presented by the student, with the teacher presiding.

Entire year .....33 hrs.  
(Professor McElroy.)

*Course 4—Clinical Diagnosis.* A study of body excreta, blood, gastric contents, spinal fluids, exudates, and transudates. Demonstrations, laboratory and recitations.

First trimester .....88 hrs.  
(Associate Professor McIntosh.)

*Course 5—Therapeutics.* A course designed to give students a practical knowledge of the methods, the various drugs and agencies employed in the treatment of disease. The general condition under which each drug is used in pathological conditions are discussed. The action of drugs and the use of other remedial agents such as sera, vaccines, as well as hydro- and mechano-therapy are considered.

Third trimester .....22 hrs.  
(Dr. ....)

*Course 6—Pediatrics.* Lectures and demonstrations on the practical side of development, infant diseases and nutrition. Recitation on definite textbook assignments on development, infant diseases, nutrition, and gastro-intestinal disorders.

Entire year .....66 hrs.  
(Professor Jacobs, Asst. Professor Hobson and Dr. Buck.)

*Course 7—Neurology.* Lectures, recitations and demonstrations on regional diagnosis and neuropathology.

Entire year .....33 hrs.  
(Dr. C. C. Turner.)

*Course 8—Dermatology and Syphilology.* A study of the more common lesions of the skin and their histo-pathology, and the skin manifestations of congenital and acquired syphilis.

Second and third trimesters.....22 hrs.  
(Professor Haase.)

*Course 9—Medicine.* The course is divided as follows:

a. Section is in daily attendance at the Memphis General Hospital for one trimester. Each student will be in daily attendance at the Isolation Hospital for one week. The student as clinical clerk is assigned to one medical service and is responsible for his patients from the day of admission until they leave (granting this is within his term of service in that ward). He takes the history, records the physical examination made, and makes notes as to daily progress. He makes his own physical examination of which he keeps a separate record, which is the record under discussion at ward rounds. He assists at all special examinations, and takes notes of these. He accompanies his case to the X-ray room. He makes, under supervision, the routine blood, urine, and other examinations, and is responsible that these are properly recorded. He follows patient's bloods, spinal fluids, etc., to the chemical, bacteriological, serological, etc., laboratories and is responsible for the reports on and the recording of same in histories. Ward rounds are made daily at which the patients are examined, the work scrutinized and criticized, methods of diagnosis and treatment discussed, and special reading assigned.

One trimester .....165 hrs.  
(Professors McElroy, Leroy, Warr, Drs. Swink and Rudner.)

b. *Clinical Conference.* Patients whose cases have been investigated by students working in the wards are presented before the whole class, and diagnosis, pathology, and treatment discussed from various viewpoints.

Entire year .....33 hrs.  
(Professor McElroy.)

c. A weekly clinic in which a series of subjects are presented.

First trimester—Tropical Diseases.....11 hrs.  
(Professor Krauss.)

Second trimester—Infectious, Gastro-Intestinal and Blood Diseases..  
.....11 hrs.  
(Professor Leroy.)

Third trimester—Cardiac, Renal, Metabolic, and Endocrine Diseases  
.....11 hrs.  
(Professor Warr.)



*d. Clinical and Pathological Conference.*

Entire year .....33 hrs.  
(Professors McElroy and Schmeisser.)

*Course 10—Pediatrics. a. Clinical Conference.*

Entire year .....33 hrs.  
(Professor Mitchell.)

*b. Out-Patient Clinic.*

One trimester .....44 hrs.

*Course 11—Neurology. a. Ward work.*

One trimester .....11 hrs.  
(Professor B. F. Turner.)

*b. Clinical Conference.*

Entire year .....33 hrs.  
(Professor B. F. Turner.)

*c. Out-Patient Department.*

One trimester .....22 hrs.  
(Professor Somerville and Dr. C. C. Turner.)

*d. Psychiatric Clinic.*

One trimester .....33 hrs.  
(Dr. ....)

*Course 12—Dermatology and Syphilology. Practical demonstrations in the Out-Patient Department and wards of the Memphis General Hospital.*

One trimester .....44 hrs.  
(Professor Haase and Assistants.)

*Course 13—Medical Jurisprudence. Lectures.*

One trimester .....22 hrs.  
(Mr. Manogue.)

## V. DIVISION OF SURGERY.

EUGENE MICHEL HOLDER, *Chief of Division.*

## PROFESSORS.

WILLIS CAHOON CAMPBELL, *Professor of Orthopedic Surgery.*

EDWARD COLEMAN ELLETT, *Professor of Ophthalmology.*

ELMER ELLSWORTH FRANCIS, *Professor of Surgery.*

MAXIMILIAN GOLTMAN, *Professor of Surgery.*

EUGENE MICHEL HOLDER, *Professor of Surgery.*

GEORGE ROBERTSON LIVERMORE, *Professor of Urology.*

RICHMOND MCKINNVY, *Professor of Otology, Laryngology, and Rhinology.*

## ASSOCIATE PROFESSORS.

LEWIS WARDLAW HASKELL, JR., *Associate Professor of Surgery.*

WALTER SIBLEY LAWRENCE, *Associate Professor of Roentgenology.*

LOUIS LEVY, *Associate Professor of Otology, Laryngology, and Rhinology.*

JOHN LUCIUS MCGEHEE, *Associate Professor of Surgery.*

ALPHONSE HERMAN MEYER, *Associate Professor of Orthopedic Surgery.*  
JAMES BUTT STANFORD, *Associate Professor of Ophthalmology.*

ASSISTANT PROFESSORS.

HARRY DICKSON, *Assistant Professor of Surgery.*  
LEON LEOPOLD MEYER, *Assistant Professor of Surgery.*  
JEROME LOGAN MORGAN, *Assistant Professor of Urology.*  
ROBERT LEE SANDERS, *Assistant Professor of Surgery.*  
RAPHAEL EUSTICE SEMMES, *Assistant Professor of Surgery.*

INSTRUCTORS.

ABRAHAM BLECKER, *Instructor in Surgery.*  
JULIAN BAKER BLUE, *Instructor in Ophthalmology.*  
HORACE POWELL CONLEY, *Instructor in Roentgenology.*  
THOMAS NELSON COPPEDGE, *Instructor in Surgery.*  
ARCHIBALD CARY LEWIS, *Instructor in Ophthalmology.*  
HARRY F. MINOR, *Instructor in Ophthalmology.*  
WILLIAM LIKELY SIMPSON, *Instructor in Otology, Laryngology, and Rhinology.*

ASSISTANTS.

JOHN CHARLES ADAMS, *Assistant in Otology, Laryngology, and Rhinology.*  
DAVID HERBERT ANTHONY, *Assistant in Ophthalmology.*  
CHARLES DECATUR BLASSINGAME, *Assistant in Otology, Laryngology, and Rhinology.*  
JAMES WILEY BODLEY, *Assistant in Surgery.*  
WILLIAM AUSBORN BREWER, *Assistant in Urology.*  
CASA COLLIER, *Assistant in Surgery.*  
JAMES MURRY DAVIS, *Assistant in Surgery.*  
VINCENT JAMES DEMARCO, *Assistant in Surgery.*  
JOHN LIVENGOD DIES, *Assistant in Surgery.*  
ISAAC GOODMAN DUNCAN, *Assistant in Surgery.*  
FRED WILLIAM FIEDLER, *Assistant in Surgery.*  
W. ROBIN HARRIS, *Assistant in Otology, Laryngology, and Rhinology.*  
RAYMOND DUDLEY HENDERSON, *Assistant in Surgery.*  
RUFUS WALKER HOOKER, *Assistant in Ophthalmology.*  
JOHN ASIE HUGHES, *Assistant in Otology, Laryngology, and Rhinology.*  
JESSIE ARVIN JAMES, *Assistant in Urology.*  
JOSEPH EDWARD JOHNSON, *Assistant in Plastic Surgery.*  
CHARLES COFIELD KING, *Assistant in Surgery.*  
JOHN JOSEPH MCCAUGHN, *Assistant in Surgery.*  
HIRAM BRADFORD MANN, *Assistant in Urology.*  
PERCY AUGUSTUS PERKINS, *Assistant in Surgery.*  
ARTHUR RUSSELL PORTER, *Assistant in Surgery.*  
JOHN WILSON RAGSDALE, *Assistant in Urology.*  
MILTON BARNEY SELIGSTEIN, *Assistant in Ophthalmology.*  
MURRAY TATE, *Assistant in Surgery.*  
EDWARD DIAL WATKINS, *Assistant in Ophthalmology.*

## SECOND YEAR COURSES.

*Course 1—Surgical Technique.* Instruction in bandaging, dressing, the healing of wounds, transplants, grafts, etc.

Third trimester .....44 hrs.  
(Dr. L. L. Meyer.)

*Course 2—Principles of Surgery.* Recitations on assigned reading.

Third trimester .....11 hrs.  
(Dr. Semmes.)

## THIRD YEAR COURSES.

*Course 2a—Principles of Surgery.* A continuation of Course 2.

Entire year .....33 hrs.  
(Professors Holder, Francis, Goltman.)

*Course 3—Out-Patient Clinic in Surgery,* with demonstration of and instruction in the treatment of the surgical cases.

One trimester .....88 hrs.  
(Dr. L. L. Meyer, Director, and Assistants.)

*Course 4—Clinical Conference.* Interesting cases will be presented by the student with the teacher presiding.

Entire year .....33 hrs.  
(Professor Holder.)

*Course 5—Surgical Pathology.* Study of tissues removed at operation.

First trimester .....22 hrs.  
(Professor Schmeisser.)

*Course 6—Operative Surgery.* Instruction in operative and surgical technique and surgical anatomy is given upon the cadaver and animals.

First and second trimesters.....44 hrs.  
(Assistant Professor Dickson.)

*Course 7—Orthopedic Surgery.* Instruction in the recognition of the deforming diseases of children and adults and the principles of their mechanical and operative correction.

Third trimester .....22 hrs.  
(Professor Campbell.)

*Course 8—Ophthalmology.* Instruction in the internal and external diseases of the eye and their relation to general diseases.

Third trimester .....11 hrs.  
(Professor Ellet.)

*Course 9—Otology, Laryngology, and Rhinology.* Instruction in the symptomatology, diagnosis and treatment of the more common diseases of the ear, nose, and throat.

First and second trimesters.....22 hrs.  
(Professor McKinney.)

*Course 10—Urology.* Etiology, diagnosis, and treatment of the genito-urinary and venereal diseases.

(Professor Livermore.)

Third trimester .....	11 hrs.
<i>Course 11—Roentgenology.</i> The technique and practical application of Roentgen rays in the diagnosis and treatment of medical and surgical diseases.	
One trimester .....	11 hrs.
(Associate Professor Lawrence.)	

#### FOURTH YEAR COURSES.

*Course 4a—Clinical Conference,* continuation of Course 4.

Entire year .....	33 hrs.
(Professor Holder.)	

*Course 12—Ward work* in the surgical wards of the Memphis General Hospital. The student is responsible for his patients from the day of admission until they leave (granting this is within his term of service). Ward rounds made daily at which the patients are examined, and diagnosis, treatment, and prognosis discussed.

Two trimesters .....	165 hrs.
(Professors McGehee, Sanders, Haskell, Drs. Semmes, Coppedge.)	

*Course 13—Surgical Clinic.* Interesting and unusual operations are performed before the whole class in the operating ampitheatre of the Memphis General Hospital.

Entire year .....	33 hrs.
(Professors Holder, Francis, Goltman.)	

*Course 14—Orthopedic Surgery.* Ward work in continuation of Course 7.

One trimester .....	88 hrs.
(Professor Campbell.)	

*Course 15—Ophthalmology.* Ward work in continuation of Course 8.

One trimester .....	88 hrs.
(Dr. Stanford.)	

*Course 16—Otology, Laryngology, and Rhinology.* Ward work in continuation of Course 9.

One trimester .....	88 hrs.
(Dr. Levy.)	

*Course 17—Urology.* Continuation of course 10.

One trimester .....	88 hrs.
(Dr. Morgan.)	

## VI. DIVISION OF OBSTETRICS AND GYNECOLOGY.

JOHN METCALF MAURY, *Chief of Division.*

#### PROFESSORS.

JOHN METCALF MAURY, *Professor of Gynecology.*

PERCY WALTHALL TOOMBS, *Professor of Obstetrics.*

#### ASSOCIATE PROFESSORS.

WILLIAM THOMAS BLACK, *Associate Professor of Gynecology.*

WILLIAM THOMAS PRIDE, *Associate Professor of Obstetrics.*

WILSON LYCURGUS WILLIAMSON, *Associate Professor of Gynecology.*



## The Plan of Instruction

### ASSISTANT PROFESSORS.

JESSE JAMES CULLINGS, *Assistant Professor of Gynecology.*

PERCY HOXIE WOOD, *Assistant Professor of Gynecology.*

### INSTRUCTORS.

ANDREW HARRIS BUTLER, *Instructor in Obstetrics.*

GEORGE GARTLY, *Instructor in Gynecology.*

FRANK WARD SMYTHE, *Instructor in Gynecology.*

### ASSISTANTS.

JAMES ROLAND REINBERGER, *Assistant in Obstetrics.*

ALMA BRIDGER RICHARDS, *Assistant in Obstetrics.*

MATTHEW WILSON SEAWRIGHT, *Assistant in Gynecology.*

### THIRD YEAR COURSES.

*Course 1—Obstetrics.* The course will comprise lectures, recitations, and demonstrations by charts and manikins, of the anatomy and physiology of pregnancy; pelvimetry; the mechanism and management of normal labor and the puerperium; a laboratory study of the pathology of pregnancy, labor and the puerperium.

Entire year .....66 hrs.  
(Professor Toombs and Associate Professor Pride.)

*Course 2—Out-Patient Clinic in Obstetrics.* The out-patient clinic furnishes abundant material for practical instruction. Two students assist at each delivery and make a daily report of the patient to the attending physician.

One trimester .....44 hrs.  
(Drs. Butler and Richards.)

*Course 3—Gynecology.* Didactic lectures giving the symptomatology, diagnosis and treatment, both medical and surgical, of the diseases of the female generative organs.

First and second trimesters.....22 hrs.  
(Professor Maury.)

*Course 4—Out-Patient Clinic in Gynecology.* The class is divided into sections for clinical service in the Out-Patient Department.

One trimester .....44 hrs.  
(Dr. Williamson, Director.)

### FOURTH YEAR COURSES.

*Course 5—Obstetric Clinics.* Lectures and clinical demonstrations before the class, including operative obstetrics.

Entire year .....33 hrs.  
(Professor Toombs.)

*Course 6—Obstetric Ward Work.* Instruction is given in sections at the bedside where practical demonstrations of individual cases may be studied. Two students will be assigned to each case upon admission to the hospital and will be expected to do the delivery. Only members of the Senior Class showing satisfactory knowledge of their studies and having attended ten cases

of labor under the instructors will be permitted admission to the final examination in this department.

One trimester .....45 hrs.

(Professor Toombs and Associate Professor Pride.)

*Course 7—Gynecological Clinic.* At this exercise cases are presented, the history gone over, the diagnosis discussed, and the operation performed.

Entire year .....33 hrs.

(Professor Maury.)

*Course 8—Gynecological Ward Work.* Patients entering the hospital are assigned to students in rotation. It is the duty of each student to write the history, make the blood counts, urinary examinations, functional kidney tests, etc., under the supervision of the interne and to make daily notes upon the case record as long as the patient is in the hospital. Under the supervision of Dr. Black, this work is gone over and criticized and the patient examined. Each student acts as second assistant when his case is operated upon.

One trimester .....45 hrs.

(Professor Maury and Associate Professor Black.)

## VII. DIVISION OF PUBLIC HEALTH.

JAMES JOHNSON DURRETT, *Chief of Division.*

### PROFESSORS.

JAMES JOHNSON DURRETT, *Professor of Public Health.*

### LECTURERS.

MARSHALL ALBERT BARBER, *Lecturer on Public Health.*

LUNSFORD DIXON FRICKS, *Lecturer on Public Health.*

JOSEPH A. LEPRINCE, *Lecturer on Public Health.*

BRUCE MAYNE, *Lecturer on Public Health.*

### THIRD YEAR COURSE.

*Course 3—Public Health.* Lectures and recitations covering the status of federal, state, and local health work and their relationship to other governmental agencies; the purification of water; the disposal of sewerage and wastes; and the sanitation of milk and foods. The communicable diseases which are prevalent in this country are considered in three classes: *a*, Insect-borne diseases, with special attention to malaria and its control; *b*, Respiratory diseases; and *c*, Excreta-borne diseases.

Second and third trimesters.....55 hrs.

(Professor Durrett.)

### FOURTH YEAR COURSE.

*Course 4—Public Health Administration.* The student spends his time in the Department of Health of Memphis and participates in and observes the work of the department: administration, communicable diseases, child hygiene, sanitary engineering, sanitation, and public health laboratory.

Two weeks .....36 hrs.

(Professor Durrett and Assistants.)

# CATALOGUE OF STUDENTS

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## COLLEGE OF MEDICINE

### GRADUATES IN MEDICINE, 1921.

BARRIER, WILBUR FRANKLIN, JR.....	Collierville
BARRON. JOHN LYON .....	Wingate, Texas
BRACKIN, HENRY BRYAN.....	Westmoreland
BROWN. HARRY HILTON .....	Jasper
CALE, WALTER .....	Chickalah, Ark.
CARNES, EDWIN HAMMON .....	Memphis
CARTER, ABRAM LAFAYETTE .....	Maple, Ark.
DEBELLIS, HANNIBAL .....	New York, N. Y.
DINSMORE, WARREN TALMAGE .....	Wheeling, W. Va.
EDMONDSON, CAMPBELL CREIGHTON .....	Memphis
GUTHRIE, RILEY HENRY .....	Smithville, Ark.
HAMILTON, JOSEPH FRANKLIN .....	Kosciusko, Miss.
LEWIS, AUBREY LEON .....	Cumby, Texas
MADDOX, JOHN WILLARD .....	Delrose
MASSEY, LORENZO DOW .....	Memphis
MIMS, WILLIAM DIUGUID .....	Normal
MITCHELL, WILLIAM GRADY .....	Memphis
MONGER, RALPH HORACE .....	Knoxville
OWENS, DEVEAUX LEGRAND .....	Everyton, Ark.
POTTS, CHARLES HAYGOOD .....	Jackson
RUTLEDGE, LEWIS JONES .....	Summit, Miss.
SAVERY, HARRY WILKERSON .....	Coffeyville, Kans.
SHEPPARD, EDWIN FRANKLIN .....	Memphis
SIMS, HUNTER COWAN .....	LaGrange
THOMPSON, BURCH .....	Enid, Miss...
WHITEHEAD, WILLIAM DOLES .....	Memphis

### FACULTY MEDAL

EDMONDSON, CAMPBELL CREIGHTON .....	Memphis
RUTLEDGE, LEWIS JONES .....	Summit, Miss.

### HONOR CERTIFICATES

EDMONDSON, CAMPBELL CREIGHTON .....	Memphis
MONGER, RALPH HORACE .....	Knoxville
RUTLEDGE, LEWIS JONES .....	Summit, Miss.
SIMS, HUNTER COWAN .....	LaGrange

### SENIOR CLASS

BARRETT, JOSEPH EAGLE .....	Memphis
CAHALL, WILLIAM LEROY .....	Mobile, Ala.
HARRIS, BRYCE WILSON .....	Russellville, Ala.

McCREARY, ALBERT BENJAMIN .....	Kingsport
McDANIEL, LOWRY HAROLD .....	Covington
ODOM, HENRY GRADY .....	Memphis
STEVENS, LERHUE .....	Memphis
STRAIN, SAMUEL FREDERICK .....	Shaw, Miss.
WEINSTEIN, LOUIS .....	New York, N. Y.
WOODWARD, LEWIS OLIVER .....	Arlington, Texas
WOODWARD, MORTIMER LEE .....	Arlington, Texas

### JUNIOR CLASS

ACREE, FRAN MARBREY, JR. ....	Dover
BEARD, JOHN CULLEN .....	Carson, Ala.
BECK, OTIS HENRY .....	Chattanooga
DALTROFF, WILBURTA .....	Memphis
DeBOLT, GROVER CLEVELAND .....	Omaha, Neb.
HARRISON, JOHN RAMSEY .....	Duncan, S. C.
HART, JOHN THOMAS .....	Franklin
JOHNSON, ARTHUR MCGOWEN .....	Pike Road, Ala.
KAZAR, JAY JUSTIN .....	Aurora, Ill.
KITCHENS, CHESTER EARL .....	Memphis
MALONE, FRANKLIN JEFFERSON .....	Capleville
MASON, ALFRED DOUGLASS, JR. ....	Memphis
NEWMAN, LUTHER BRYON .....	National Soldiers Home
NORMAN, J. SIMS .....	Trenton, Texas
PENN, JARRELL .....	Humboldt
POWER, PAUL HERSCHELL .....	Goldthwaite, Texas
SMITH, BRYAN ARTHUR .....	Sullivan, Ill.
TARWATER, JAMES SIDNEY .....	Fayette, Ala.
WARNOCK, RAIFORD TOWNSMAN .....	Statesboro, Ga.
YARBERRY, OTHA HORACE .....	Sevierville

### SOPHOMORE CLASS

BEECHER, LOUISE .....	Memphis
BOND, WILLIAM WEBSTER .....	Memphis
CALTAGIRONE, JOSEPH VINCENT .....	Brooklyn, N. Y.
CASSELL, ARNOLD .....	Jersey City, N. J.
CATON, McKEE .....	Ft. Worth, Texas
CHASON, JOHN RANDOLPH .....	Bainbridge, Ga.
CHUMLEY, CHARLES LAWRENCE .....	New Tazewell
CLAY, JULIUS EMORY .....	Macon, Ga.
CLEMMONS, JOE R. ....	Abilene, Texas
DOAK, MAURICE STEWART .....	Greeneville
FEW, MARVIN JASPER .....	Derma, Miss.
GILMER, HIRAM BREWSTER .....	Butler, Ala.
HAMILTON, JACOB RALPH .....	Church Hill
*HOLLIS, RAYMOND GREEN .....	Beaverton, Ala.
*HOWARD, HECTOR SMYTHE .....	Jackson, Miss.

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\*Withdrew.



HOWELL, ZEAPHIE WILSON .....	Lexington
HUAR, NAI YONG .....	Chiengmai, Siam
LEWIS, CHARLES KELLEY, JR. ....	Memphis
MAURY, JOHN METCALF, JR. ....	Memphis
MILLER, SAMUEL JOHN .....	New York, N. Y.
PICKETT, MAYNARD RAY .....	Ft. Worth, Texas
PRICE, HARRY S. ....	Polytechnic, Texas
SCHLESINGER, MILTON HERMAN .....	Memphis
SKINNER, JAMES MARSHALL, JR. ....	Laredo, Texas
STOKES, EDGAR WILLIAM .....	Louisville, Ky.
TAYLOR, ROY NUSEUM .....	Durant, Okla.
TYLER, GEORGE COLBERT .....	Chester, Va.
WESTERMAN, DEWEY EVERETT .....	Clifton Forge, Va.
WHITE, CHARLES EDGAR .....	Muskogee, Okla.
WHITE, ROBERT STANISLAUS .....	Camden, W. Va.

## FRESHMAN CLASS

AGEE, OWEN FRANK .....	Ozark, Ark.
AGNEW, WILLIAM WILSON, JR. ....	Ft. Worth, Texas
*BOND, ROBERT EMERSON .....	Harc, Ill.
BOWMAN, THOMAS LEEPER .....	Harriman
BOYKIN, AMEL PRUITT .....	Louin, Miss.
BROYLES, SAMUEL KENNETH .....	Chuckey
CAMERON, WILLIAM JOSEPH .....	Mascot
CANADA, ERNEST ADOLPH .....	Memphis
*CHILES, WILLIAM WALLACE .....	Buckner, Mo.
*CLAY, EARL LEWIS .....	Rougemont, N. C.
COLLINS, CLAUDE ADOLPHUS .....	Friendship
CONNELL, ELDON DEWEY .....	Alamo
CONYERS, JOSEPH LEON .....	Gates
CRABTREE, JAMES ANDERSON .....	Greenfield
*CRAWFORD, HARRY JENKINS .....	Toccoa, Ga.
CROSWELL, CLYDE VERNON .....	Memphis
DAHINKE, GEORGE WILLIAM .....	Palmer, Texas
FORTNER, HORACE THE( .....	Goin
FRANKLIN, ROBERT MAXWELL .....	LaGrange
HARKLEROAD, FRANK SAMUEL .....	Bristol
HERD, LESLIE PHILLIPS .....	Memphis
HYATT, HERSCHEAL HAZEN .....	Ducktown
JORGELEIT, EDMUND WILLIAM .....	Grand Rapids, Mich.
LAIRD, ROBERT GLOVER .....	McKenzie
LAWSON, JOHN DOUGLAS .....	Nashville
MANN, HAROLD WEST .....	Ft. Worth, Texas
MCCARTHY, ALPHONSUS MELVIN .....	Grand Rapids, Mich.
MCIVER, EDWARD ALLEN .....	Knoxville
MCLANE, JESSE NEWMAN .....	Pensacola, Fla.
*MERRITT, JOSEPH MARION .....	Dothan, Ala.

\*Withdrew.

MORGAN, EDIN LEE .....	Memphis
*MORGAN, HOWARD PAUL .....	Newbern
OLDHAM, IRA BROWN, JR. ....	Muskogee, Okla.
PARKS, JOHN EDWARD, JR. ....	Somerville
PEARSON, ELMER TYLER .....	White Pine
PEEL, GEORGE TALBOT .....	Salem, Va.
*ROBERTS, HORACE BRYAN .....	Brookhaven, Miss.
SHRODE, ORA NEAL .....	Sulphur Springs, Texas
*SMITH, LEE ROY .....	Daisy, Ga.
STANBERRY, WILLIAM CECIL .....	Afton
SWINDELL, RAYMON RAY .....	Greenville, Texas
*WATERS, NATE LUSE .....	Benton, Miss.
WHITAKER, DAREL WESLEY .....	Madison, Mo.
WILKINSON, SAMUEL ALLEN, JR. ....	Memphis
*WINEBERG, ISAAC HENRY .....	Chicago, Ill.
YOUNG, EMMETT JEROWE .....	Bonita, La.
ZWEIGEL, ISADORE .....	New York

SPECIAL

CHRISTIANSON, BURDETTE MARTIN .....	Watertown, S. D.
PAYNE, VIRGIL LEROY .....	Greenville, Miss.
SCHULER, ASHLEY COOPER .....	Durant, Okla.
BRYAN, MARILU .....	Amory, Miss.
DRANE, MIRIAM .....	Memphis

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\*Withdrew.

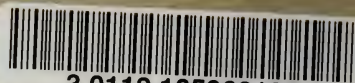
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## THE UNIVERSITY OF TENNESSEE

Comprises the following departments:

The Graduate School  
The College of Liberal Arts  
The College of Engineering  
The College of Agriculture  
The College of Law  
The School of Education  
The School of Commerce  
The Summer School  
The Pre-Medical School

—*At Knoxville*

The College of Medicine  
The College of Dentistry  
The School of Pharmacy

—*At Memphis*

This publication refers only to the College of Medicine. For information in regard to any other department, address

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